





| PROPERTY | ROPERTY TEST METHOD | | U.S. VALUE | |
|---|--|---------------|---------------------------|--|
| MECHANICAL | | | | |
| Density | ASTM D 3574, Test A | 6.4 kg/m³ | 0.4 lb/ft ³ | |
| Tensile Strength | ASTM D 3574, Test E | ≥ 59 kPa | ≥ 8.5 lb/in ² | |
| THERMAL | | | | |
| Thermal Conductivity (k) | ASTM C 518 at mean temperature of 24°C (75°F) | 0.043 W/(m·K) | 0.30 (BTU·in)/(hr·ft²·°F) | |
| Continuous Use Temperature | Recommended maximum | 200°C | 400°F | |
| FLAMMABILITY | | | | |
| Radiant Panel Flame Spread Index | ASTM E 162 | 2 | 2 | |
| Specific Optical Density of Smoke, D _m : Non-flaming Flaming | ASTM E 662 | 3 5 | 3 5 | |
| Surface Burning Characteristics: Flame Spread Index (FSI) Smoke Developed Index (SDI) | ASTM E 84-95 Tested at a thickness of 22 mm (0.9 in) | 0 5 | 0 5 | |
| AGING | | | | |
| Steam Autoclave Aging: Tensile strength retained Change in weight and dimensions | ASTM D 3574, Test J, Procedure J, and Test E | > 84% < 4% | > 84% < 4% | |
| ACOUSTICAL | | | | |

ACOUSTICAL ABSORPTION COEFFICIENTS FOR FLEXED FOAM (metric sabins/m² or sabins/ft²)

ASTM C 423 and E 795, Type A Mounting

| | Frequency (Hz) | | | | | | | | |
|-------|----------------|------|------|------|------|------|------|------|--|
| Thic | kness | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC | |
| 25 mm | (1 inch) | 0.07 | 0.18 | 0.61 | 1.10 | 1.02 | 0.93 | 0.75 | |
| 50 mm | (2 inches) | 0.27 | 0.59 | 1.14 | 1.03 | 0.90 | 1.02 | 0.90 | |

*The above are typical values subject to normal manufacturing variation.

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